

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A communication system comprising:

a client, ~~including comprising a setting means-unit~~ for setting a parameter and a notification ~~means-unit~~ for notifying of the parameter set by said setting ~~means; unit;~~

a gateway apparatus, ~~including comprising an~~ acquisition ~~means-request unit~~ for generating an information acquisition request on the basis of the parameter notified by said notification ~~means; unit,~~ a first information storage ~~means-unit~~ for temporarily storing information received in response to the information acquisition request generated by said acquisition request ~~means; unit,~~ and an information transfer ~~means-unit~~ for transferring the information stored in said first information storage ~~means-unit~~ to said client; and

an information source server, ~~including comprising a second~~ information storage ~~means-unit~~ for storing the information ~~acquired-requested~~ by said acquisition request ~~means; unit,~~ and an information transmission ~~means-unit~~ for transmitting the information stored in said second information storage ~~means-unit~~ to said gateway apparatus upon reception of the information acquisition request.

2. (Currently amended) A communication system comprising:

a client, ~~including comprising a creation request means-unit~~ for requesting creation of an agent for information acquisition, and a notification ~~means-unit~~ for notifying of a parameter to be set in the agent created by said creation request ~~means; unit;~~

a gateway apparatus, ~~including comprising a first~~ storage ~~means-unit~~ for storing the

parameter for ~~each~~ the agent, a storage area reservation ~~means-unit~~ for reserving a predetermined storage area in said first storage ~~means-unit~~ for ~~each~~ the agent for which a creation request is generated by said creation request ~~means-unit~~, a parameter setting ~~means-unit~~ for setting the parameter notified by said notification ~~means-unit~~ in the storage area reserved by said storage area reservation ~~means-unit~~, and an agent for generating an information acquisition request on the basis of the parameter set by said parameter setting ~~means-unit~~, temporarily storing information received via a radio data communication network in response to the information acquisition request, and transferring the information to said client; and

an information source server, ~~including comprising an~~ information storage ~~means-unit~~, connected to said gateway apparatus via the radio data communication network, for storing information for which an information acquisition request is generated by said agent in advance, and an information transmission ~~means-unit~~ for transmitting the information stored in said information storage ~~means-unit~~ to said gateway apparatus upon reception of the information acquisition request.

3. (Currently amended) A system according to claim 2, wherein said client further comprises an operation stop instructing ~~means-unit~~ for generating an instruction to stop operation of said agent, and said gateway apparatus further comprises an agent stopping ~~means-unit~~ for stopping the operation of said agent when an operation stop instruction is generated by said operation stop instructing ~~means-unit~~.

4. (Currently amended) A system according to claim 2, wherein said client further comprises a delete instructing means-unit for generating an ~~instruct-instruction~~ to delete said agent, and said gateway apparatus further comprises a storage area releasing means-unit for releasing a storage area reserved in said first storage means-unit in correspondence with a designated agent when the delete instruction is generated by said delete instructing-~~means-~~unit.

5. (Currently amended) A system according to claim 3, wherein said client further comprises a delete instructing means-unit for generating an ~~instruct-instruction~~ to delete said agent, and said gateway apparatus further comprises a storage area releasing means-unit for releasing a storage area reserved in said first storage means-unit in correspondence with a designated agent when the delete instruction is generated by said delete instructing-~~means-~~unit.

6. (Currently amended) A system according to claim 1, wherein the parameter-~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of said client, attribute information indicating communication capabilities between said client and said gateway apparatus and between said gateway apparatus and said server, and predetermined preference information designated by a user of said client.

7. (Currently amended) A system according to claim 2, wherein the parameter-~~includes~~ comprises at least one of attribute information indicating a display capability and processing

capability of said client, attribute information indicating communication capabilities between said client and said gateway apparatus and between said gateway apparatus and said server, and predetermined preference information designated by a user of said client.

8. ( Currently amended) A system according to claim 3, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of said client, attribute information indicating communication capabilities between said client and said gateway apparatus and between said gateway apparatus and said server, and predetermined preference information designated by a user of said client.

9. ( Currently amended) A system according to claim 4, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of said client, attribute information indicating communication capabilities between said client and said gateway apparatus and between said gateway apparatus and said server, and predetermined preference information designated by a user of said client.

10. ( Currently amended) A communication method comprising:

~~the creation request step of causing a client for displaying acquired information to request at a client, requesting a gateway apparatus to create an agent for information acquisition;~~

~~the area reservation step of causing at the gateway apparatus, to reserve~~ reserving a predetermined storage area for each the agent whose creation is ~~has been requested; in the~~

creation request step;

~~the parameter setting step of causing at the gateway apparatus to set the setting a~~  
parameter notified for ~~each the~~ agent by the client in the reserved storage area; ~~reserved in the~~  
~~area reservation step;~~

~~the acquisition request step of causing an actuating the~~ agent in the gateway apparatus  
to generate an acquisition request to a server storing various kinds of information, on the  
basis of the set parameter; ~~set by the parameter setting means;~~

~~the information transmission step of extracting from the server~~ information for which  
the acquisition request is generated; ~~in the acquisition request step and~~

~~causing from the sever to transmit server, transmitting the extracted~~ information to the  
gateway apparatus via a radio data communication network; ~~and~~

~~the transfer step of temporarily storing the transmitted~~ information at the gateway  
apparatus; ~~transmitted in the information transmission step and~~

~~causing the gateway apparatus to transfer~~ transferring the stored information from the  
gateway apparatus to the client.

11. (Currently amended) A method according to claim 10, further comprising causing at  
the agent, ~~to stop stopping~~ operation or ~~release releasing~~ the storage area reserved in  
correspondence with the agent on the basis of an operation stop instruction or delete  
instruction from the client.

12. (Currently amended) A method according to claim 10, wherein the parameter

~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of said client, attribute information indicating communication capabilities between said client and said gateway apparatus and between said gateway apparatus and said server, and predetermined preference information designated by a user of said client.

13. ( Currently amended) A method according to claim 11, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of said client, attribute information indicating communication capabilities between said client and said gateway apparatus and between said gateway apparatus and said server, and predetermined preference information designated by a user of said client.

14. ( Currently amended) A gateway apparatus comprising:

a storage means-unit for storing a parameter set for ~~each-an~~ agent;

a storage area reservation means-unit for reserving a predetermined storage area in said storage ~~means-unit~~ for ~~each-the~~ agent when creation of an agent for information acquisition is requested;

a parameter setting means-unit for setting the parameter in the storage area reserved by said storage area reservation ~~means;~~ unit; and

an agent for generating an information acquisition request on the basis of the parameter set by said parameter setting ~~means;~~ unit, temporarily storing information received

via a radio data communication network in accordance with the information acquisition request, and transferring the information to the request source which has generated the agent creation request.

15. (Currently amended) An apparatus according to claim 14, wherein ~~when said agent is responsive to~~ an operation stop instruction, ~~is generated for said agent,~~ stopping operation of said agent, ~~is stopped.~~

16. (Currently amended) An apparatus according to claim 14, wherein ~~when said agent is responsive to~~ a delete instruction, ~~is generated for said agent,~~ releasing a storage area reserved in said storage ~~means-unit is released~~ in correspondence with ~~a designated~~ the agent.

17. (Currently amended) An apparatus according to claim 15, wherein ~~when said agent is responsive to~~ a delete instruction, ~~is generated for said agent,~~ releasing a storage area reserved in said storage ~~means-unit is released~~ in correspondence with ~~a designated~~ the agent.

18. (Currently amended) An apparatus according to claim 14, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of the request source which has generated the agent creation request, attribute information indicating communication capabilities between the request source and said gateway apparatus and between said gateway apparatus and ~~the-an~~ an information transmission source which has generated the acquisition request, and predetermined

preference information designated by a user of the request source.

19. ( Currently amended) An apparatus according to claim 15, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of the request source which has generated the agent creation request, attribute information indicating communication capabilities between the request source and said gateway apparatus and between said gateway apparatus and ~~the~~ an information transmission source which has generated the acquisition request, and predetermined preference information designated by a user of the request source.

20. ( Currently amended) An apparatus according to claim 16, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of the request source which has generated the agent creation request, attribute information indicating communication capabilities between the request source and said gateway apparatus and between said gateway apparatus and ~~the~~ an information transmission source which has generated the acquisition request, and predetermined preference information designated by a user of the request source.

21. ( Currently amended) An apparatus according to claim 17, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of the request source which has generated the agent creation request, attribute information indicating communication capabilities between the request source and



said gateway apparatus and between said gateway apparatus and ~~the~~ an information transmission source which has generated the acquisition request, and predetermined preference information designated by a user of the request source.

22. (Currently amended) A client comprising:

a creation request means-unit for requesting creation of an agent for information acquisition;

a notification means-unit for notifying of a parameter to be set in the agent created by said creation request ~~means;~~ unit; and

an information acquisition ~~means-unit~~ for generating ~~the-an~~ information acquisition request by using the agent created in response to the request by said creation request ~~means~~ unit on the basis of the parameter notified by said notification ~~means;~~ unit, and acquiring the requested information via a radio data communication network.

23. (Currently amended) A client according to claim 22, wherein ~~operation of the agent created by said creation request means-unit is stopped or the agent is deleted by generating responsive to an operation stop instruction or delete instruction for the agent, to stop operation.~~

24. (Currently amended) A client according to claim 22, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of said client, attribute information indicating communication capability with

respect to the ~~transmission source which has generated the acquisition request~~ radio data communication network, and predetermined preference information designated by a user.

25. (Currently amended) A client according to claim 23, wherein the parameter ~~includes~~ comprises at least one of attribute information indicating a display capability and processing capability of said client, attribute information indicating communication capability with respect to the ~~transmission source which has generated the acquisition request~~ radio data transmission network, and predetermined preference information designated by a user.

26. (New) A client according to claim 22, wherein the agent created by said creation request unit is responsive to a delete instruction for the agent, to be deleted.

27. (New) A communication method comprising:

reserving a predetermined storage area for an agent for information acquisition whose creation has been requested by a client;

setting a parameter notified for the agent by the client in the reserved storage area;

generating an acquisition request to a server storing various kinds of information, on the basis of the set parameter;

extracting from the server information for which the acquisition request is generated;

transmitting the extracted information to a gateway apparatus via a radio data communication network;

temporarily storing the transmitted information; and

transferring the stored information to the client.

28. (New) A method according to claim 27, further comprising at the client, requesting creation of the agent;

29. ( New) A communication method comprising:

setting a parameter for an agent whose creation has been requested by a client;

generating an acquisition request on the basis of the set parameter;

extracting only information for which the acquisition request is generated; and

transferring the information to the client.